

CLAIMS

- 1 1. An articulated sled comprising:
2 a first body segment and a second body segment, each of the first body segment
3 and the second body segment being interconnected by a flexible connector so that the
4 first body segment and the second body segment can rotate with respect to each other
5 about a first axis; and
6 a pair of runners on the first body segment and a pair of runners on the second
7 body segment each runner of each pair of runners including a sliding surface with op-
8 posing convex edges that extend lengthwise from a leading end to a trailing end, wherein
9 each of the opposing convex edges have a wider spacing apart in a central lengthwise re-
10 gion than the spacing apart at the leading end and the trailing end.
- 1 2. The sled as set forth in claim 1 wherein each runner includes a sloping leading
2 end and a trailing end that each extend upwardly from the sliding surface, and wherein
3 each leading end is sloped upwardly at a shallower angle, than an angle of slope of each
4 trailing end.
- 1 3. The sled as set forth in claim 1 wherein each of the first body segment and the
2 second body segment includes a connector slot that receives therein a conforming end of
3 the flexible connector.
- 1 4. The sled as set forth in claim 3 wherein the first body segment comprises a front
2 body segment having a raised end for deflecting snow, and including, adjacent the raised
3 end, a pair of hand grips.
- 1 5. The sled as set forth in claim 4 wherein the hand grips comprise T-shaped hand
2 grips.
- 1 6. The sled as set forth in claim 3 wherein a front end of at least the second body
2 segment includes a fixedly mounted end of the flexible connector therein having a pro-

jecting opposing connector end that is adapted to removably interconnect to the connector slot formed in the rear end of the first segment.

7. The sled as set forth in claim 1 wherein the flexible connector is constructed and arranged to enable flexure along each of two perpendicular axes, the axes including a yaw axis and a roll axis with respect to a longitudinal line taken through a center of the sled.

8. The sled as set forth in claim 7 wherein the flexible connector comprises a pair of opposing connector ends and a web section extending between the connector ends, the web section constructed and arranged to flex along the yaw axis and the roll axis.

9. The sled as set forth in claim 8 wherein further comprising, mounted over the opposing connector ends, a plate that is secured to one of either the first body segment or the second body segment that moves freely with respect to an adjoining one of the first body segment or the second body segment.

10. The sled as set forth in claim 8 wherein the flexible connector includes, on at least one of the connector ends, raised surfaces constructed and arranged to removably engage detents within the conforming connector slot.

11. The sled as set forth in claim 1 wherein each of the first body segment and the second body segment respectively comprise a front segment and a central segment, and further comprising a rear segment interconnected to the central segment by another flexible connector.

12. The sled as set forth in claim 11 wherein the sled defines the shape of an animal, and wherein the front segment defines a head, the central segment defines a central body portion, and the rear segment defines a tail portion of the animal.

1 13. The sled as set forth in claim 12 wherein the rear segment includes a tail having a
2 rattle therein.

1 14. An articulated sled comprising:
2 a first segment and a second segment, each of the first body segment and the sec-
3 ond body segment being removably interconnected by a connector having opposing con-
4 nector ends that each attach to a connector location on each of the first segment and the
5 second segment and wherein the flexible connector further includes, between the con-
6 nector ends, a web constructed and arranged to enable the connector to rotate in at least
7 two perpendicular axes.

1 15. The sled as set forth in claim 14 wherein each of the first body segment and the
2 second body segment includes a pair of runners and wherein each of the runners includes
3 opposing convex edges that define a bottom sliding surface of the runner.

1 16. The sled as set forth in claim 15 wherein the bottom sliding surface of each of the
2 runners includes a metal edge member.

1 17. The sled as set forth in claim 14 wherein the flexible connector includes at least
2 one connector end constructed and arranged to be detachable at least one of the first body
3 segment and the second body segment.

1 18. The sled as set forth in claim 17 wherein at least one connector end of the oppos-
2 ing connector ends is constructed and arranged to slidably engage a connector slot in at
3 least one of the first body segment and the second body segment.

1 19. The sled as set forth in claim 18 wherein the connector end and the connector slot
2 each include a portion of an interengaging locking mechanism that locks when the con-
3 nector end is seated at a desired position within the connector slot.